

Aerobic oxidation of cyclopentane-1,2-diols to cyclopentane-1,2-diones on Pt/C catalyst

Reile, Indrek; Paju, Anne; Eek, Margus; Pehk, Tõnis; Lopp, Margus Synlett 2008 / 3, p. 347-350 <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2008-1032056>

An NMR and MD modeling insight into nucleation of 1,2-alkanediols : selective crystallization of lipase-catalytically resolved enantiomers from the reaction mixtures

Parve, Omar; Reile, Indrek; Parve, Jaan; Kasvandik, Sergio; Kudrjašova, Marina; Tamp, Sven; Metsala, Andrus; Villo, Ly; Pehk, Tõnis; Jarvet, Jüri; Vares, Lauri Journal of organic chemistry 2013 / p. 12795-12801 : ill

Catalyzed resolution and simultaneous selective crystallization

Parve, Jaan; Vares, Lauri; Reile, Indrek; Pehk, Tõnis; Villo, Ly; Parve, Omar Comprehensive organic chemistry experiments for the laboratory classroom 2017 / p. 931-934 http://www.ester.ee/record=b4666270*est

Chiral cyclohexylhemicucurbit[n]uril homologues

Shmatova, Elena; Fomitšenko, Maria; Öeren, Mario; Reile, Indrek; Järving, Ivar; Aav, Riina 9th International Symposium on Macrocyclic and Supramolecular Chemistry (ISMSC-9) : program and book of abstracts : Shanghai Institute of Organic Chemistry, Shanghai, China, June 7-June 11, 2014 2014 / [1] p. : ill

Chiral cyclohexylhemicucurbit[n]urils

Shmatova, Elena; Fomitšenko, Maria; Öeren, Mario; Reile, Indrek; Kuhtinskaja, Maria; Järving, Ivar; Aav, Riina TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

Cyclohexylhemicucurbiturils as supramolecular necklace for guest molecule

Prigorchenko, Elena; Öeren, Mario; Kaabel, Sandra; Kruusamägi, Madli; Fomitšenko, Maria; Reile, Indrek; Topic, Filip; Rissanen, Kari; Aav, Riina 10th International Symposium on Macrocyclic and Supramolecular Chemistry : Strasbourg, France, June 28th - July 2nd 2015 2015 / p. PB-44

Cyclopentane-1,2-dione bis(tert-butyldimethylsilyl) enol ether in asymmetric organocatalytic Mukaiyama–Michael reactions

Reile, Indrek; Paju, Anne; Kanger, Tõnis; Järving, Ivar; Lopp, Margus Tetrahedron letters 2012 / p. 1476-1478 : ill

Excess of threonine compared with serine promotes threonine aldolase activity in Lactococcus lactis IL1403

Aller, Kadri; Adamberg, Kaarel; Reile, Indrek; Timarova, Veronica; Peebo, Karl; Vilu, Raivo Microbiology 2015 / p. 1073-1080 : ill <http://dx.doi.org/10.1099/mic.0.000071>

Extraction and fractionation of bioactives from dipsacus fullonum L. leaves and evaluation of their anti-borrelia activity

Saar-Reismaa, Piret; Bragina, Olga; Kuhtinskaja, Maria; Reile, Indrek; Laanet, Pille-Riin; Kulp, Maria; Vaher, Merike Pharmaceuticals 2022 / 12 p. : ill <https://doi.org/10.3390/ph15010087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heterogeneous platinum catalytic aerobic oxidation of cyclopentane-1,2-diols to cyclopentane-1,2-diones

Reile, Indrek; Kalle, Sigrid; Werner, Franz; Järving, Ivar; Kudrjašova, Marina; Paju, Anne; Lopp, Margus Tetrahedron 2014 / p. 3608-3613 : ill

Keto-enool tautomeeride tasakaal tsüklopentaan-1,2-dioonides

Reile, Indrek; Paju, Anne; Lopp, Margus XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 83 : ill

Large azobenzene acrocycles : formation and detection by NMR and MS methods

Roithmeyer, Helena; Uudsemaa, Merle; Trummal, Aleksander; Brük, Mari-Liis; Krämer, Sebastian; Reile, Indrek; Rjabovs, Vitalijs; Palmi, Kirsti; Rammo, Matt; Aav, Riina; Kalenius, Elina; Adamson, Jasper Supramolecular Chemistry 2022 / p. 77-86 <https://doi.org/10.1080/10610278.2023.2230334> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lipase-catalyzed stereoresolution of long-chain 1,2-alkanediols: a screening of preferable reaction conditions

Parve, Jaan; Reile, Indrek; Aid, Tiina; Kudrjašova, Marina; Müürisepp, Aleksander-Mati; Vallikivi, Imre; Villo, Ly; Aav, Riina; Pehk, Tõnis; Vares, Lauri; Parve, Omar Journal of molecular catalysis B : enzymatic 2015 / p. 60-69 : ill <http://dx.doi.org/10.1016/j.molcatb.2015.03.006>

Mechanism of the asymmetric oxidation of cyclopentane-1,2-diones

Reile, Indrek; Paju, Anne; Pehk, Tõnis; Lopp, Margus Balticum Organicum Syntheticum : International Conference on Organic Synthesis : June 29 - July 2, 2008, Vilnius : program and abstract book 2008 / p. 155

New chiral cyclohexylhemicucurbit[6]uril

Aav, Riina; Shmatova, Elena; Reile, Indrek; Borissova, Maria; Topic, Filip; Rissanen, Kari Organic letters 2013 / p. 3786-3789 : ill

New chiral cyclohexylhemicucurbituril structure and complexation

Shmatova, Elena; Reile, Indrek; **Borissova, Maria**; Topic, Filip; Rissanen, Kari; **Aav, Riina** Third International Conference on Cucurbiturils : 18-20 November, 2013, University of New South Wales Canberra 2013 / [1] p. : ill

Oxidation of cyclopentane-1,2-dione: a study with ^{18}O labeled reagents

Reile, Indrek; **Paju, Anne**; **Müürisepp, Aleksander-Mati**; **Pehk, Tõnis**; **Lopp, Margus** Tetrahedron 2011 / p. 5942-5948

Preparation of thermoplastic cellulose esters in [mTBNH][OAC] ionic liquid by transesterification reaction

Tarasova, Elvira; **Savale, Nutan**; **Krasnou, Illia**; **Kudrjašova, Marina**; Rjabovs, Vitalijs; Reile, Indrek; Vares, Lauri; **Kallakas, Heikko**; Kers, Jaan; **Krumme, Andres** Polymers 2023 / art. 3979 <https://doi.org/10.3390/polym15193979>

Process optimization for catalytic oxidation of dibenzothiophene over UiO-66-NH₂ by using a response surface methodology

Barghi, Bijan; **Jürisoo, Martin**; Volokhova, Maria; Seinberg, Liis; Reile, Indrek; **Mikli, Valdek**; **Niidu, Allan** ACS omega 2022 / p. 16288-16297 : ill <https://doi.org/10.1021/acsomega.1c05965> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A quantitative method for analysis of mixtures of homologues and stereoisomers of hemicucurbiturils that allows us to follow their formation and stability

Fomitšenko, Maria; **Peterson, Anna**; Reile, Indrek; Cong, Hang; **Kaabel, Sandra**; **Prigorchenko, Elena**; **Järving, Ivar**; **Aav, Riina** New journal of chemistry 2017 / p. 2490-2497 : ill <http://dx.doi.org/10.1039/C6NJ03050E>

Scalable lipase-catalyzed synthesis of (R)-4-(Acyloxy)pentanoic acids from racemic γ -valerolactone

Parve, Jaan; **Kudrjašova, Marina**; **Shalima, Tatsiana**; **Villo, Ly**; Liblikas, Ilme; Reile, Indrek; **Pehk, Tõnis**; **Gathergood, Nicholas**; **Aav, Riina**; Vares, Lauri; **Parve, Omar** ACS sustainable chemistry & engineering 2021 / p. 1494-1499 <https://doi.org/10.1021/acssuschemeng.0c07918> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Stable isotope tracing uncovers reduced γ/β -ATP turnover and metabolic flux through mitochondrial-linked phosphotransfer circuits in aggressive breast cancer cells

Klepinin, Aleksandr; **Miller, Sten**; Reile, Indrek; Puurand, Marju; **Rebane-Klemm, Egle**; **Klepinina, Ljudmila**; Vija, Heiki; Zhang, Song; Terzic, Andre; Dzeja, Petras; Kaambre, Tuuli Frontiers in Oncology 2022 / art. 892195 <https://doi.org/10.3389/fonc.2022.892195> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Stereoselective Synthesis of γ -(Acyloxy)Carboxylic Acids and γ -Lactones Features the Switch of Stereopreference of CalB Along Sodium γ -Hydroxycarboxylate Homologues

Parve, Jaan; **Kudrjašova, Marina**; **Shalima, Tatsiana**; **Villo, Ly**; **Ferschel, Moonika**; **Niidu, Allan**; Liblikas, Ilme; Reile, Indrek; **Aav, Riina**; Gathergood, Nicholas; Vares, Lauri; **Pehk, Tõnis**; **Parve, Omar** European journal of organic chemistry 2023 / art. e202201329 <https://doi.org/10.1002/ejoc.202201329>

Synthesis of the cyclohexylhemicucurbit[n]urils

Shmatova, Elena; **Kruusamägi, Madli**; **Öeren, Mario**; Reile, Indrek; **Aav, Riina** 8th Biennial International Conference on Organic Synthesis : Balticum Organicum Syntheticum : July 6-9, 2014, Vilnius : program and abstract book 2014

Synthesis of thermoplastic cellulose esters in novel ionic liquid

Savale, Nutan; **Tarasova, Elvira**; **Krasnou, Illia**; **Kudrjašova, Marina**; Reile, Indrek; **Krumme, Andres** Baltic Polymer Symposium, BPS2023 : programme and abstracts 2023 / p. 14

Template-controlled synthesis of chiral cyclohexylhemicucurbit[8]uril

Prigorchenko, Elena; **Öeren, Mario**; **Kaabel, Sandra**; **Fomitšenko, Maria**; Reile, Indrek; **Järving, Ivar**; **Tamm, Toomas**; Topic, Filip; Rissanen, Kari; **Aav, Riina** Chemical communications 2015 / p. 10921-10924 : ill <http://dx.doi.org/10.1039/c5cc04101e>

3-alkylcyclopentane-1,2-diones in asymmetric oxidation and alkylation reactions = 3-alküülsüklopentaan-1,2-dioonid asümmeetrilistes oksüdeerimis- ja alküleerimisreaktsioonides

Reile, Indrek 2012 http://www.ester.ee/record=b2756921*est

Tsüklopentaan-1,2-dioolide aeroobne oksüdeerimine tsüklopentaan-1,2-dioonideks Pt/C katalüsaatoril

Reile, Indrek; **Paju, Anne**; Eek, Margus; **Pehk, Tõnis**; **Lopp, Margus** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 130-131

Uus kiraalse tsükloheksüülpoolkukurbiturilli struktuur ja komplekseerimine

Shmatova, Elena; Reile, Indrek; Kuhtinskaja, Maria; Öeren, Mario; Topic, Filip; Rissanen, Kari; **Aav, Riina** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013